

Summary of 01 May 2007 ESP Libby Operations - Proposed Pulse

1-May-07

Assumptions:

- * Project will operate at 14.4 kcfs (first VARQ flow) through 08 May. After that, VARQ outflow is based on each ESP years volume.

- * VARQ outflow calculations were based on starting VARQ flows on 28 April.

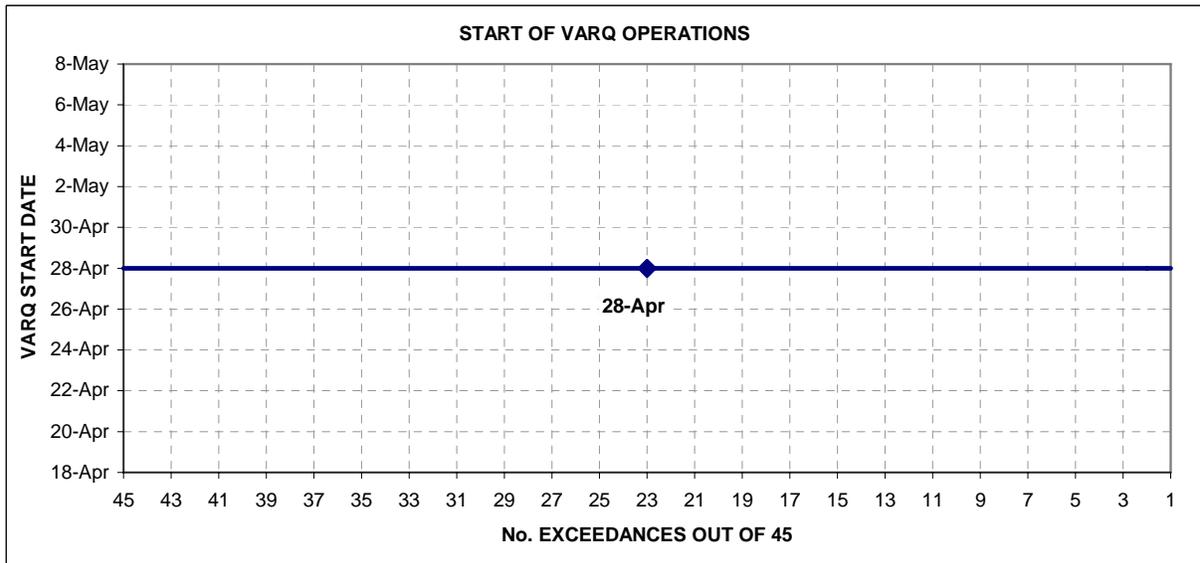
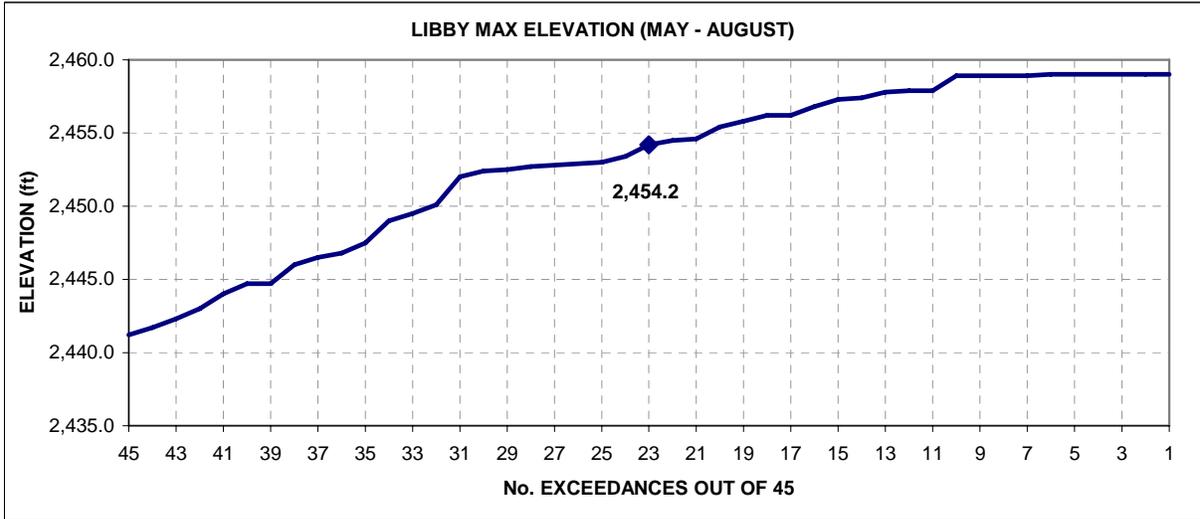
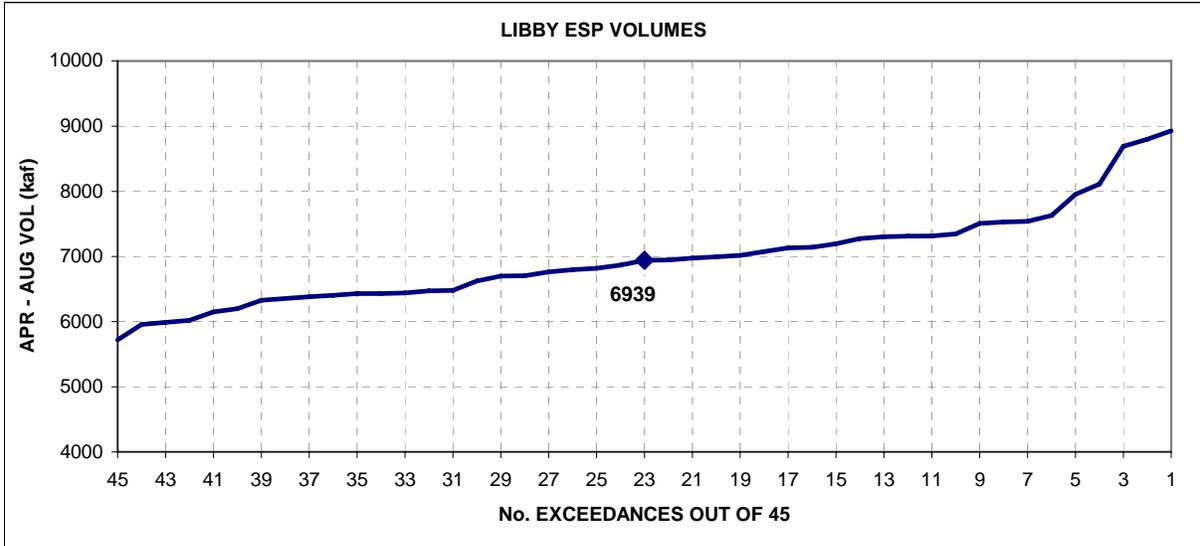
- * Sturgeon pulse begins on 01 June for all years. Outflow is increased to full load through 05 June and then decreased to 15 kcfs (unless VARQ flow is higher). On 01 July outflow is increased to 20 kcfs and held until volume is exhausted.

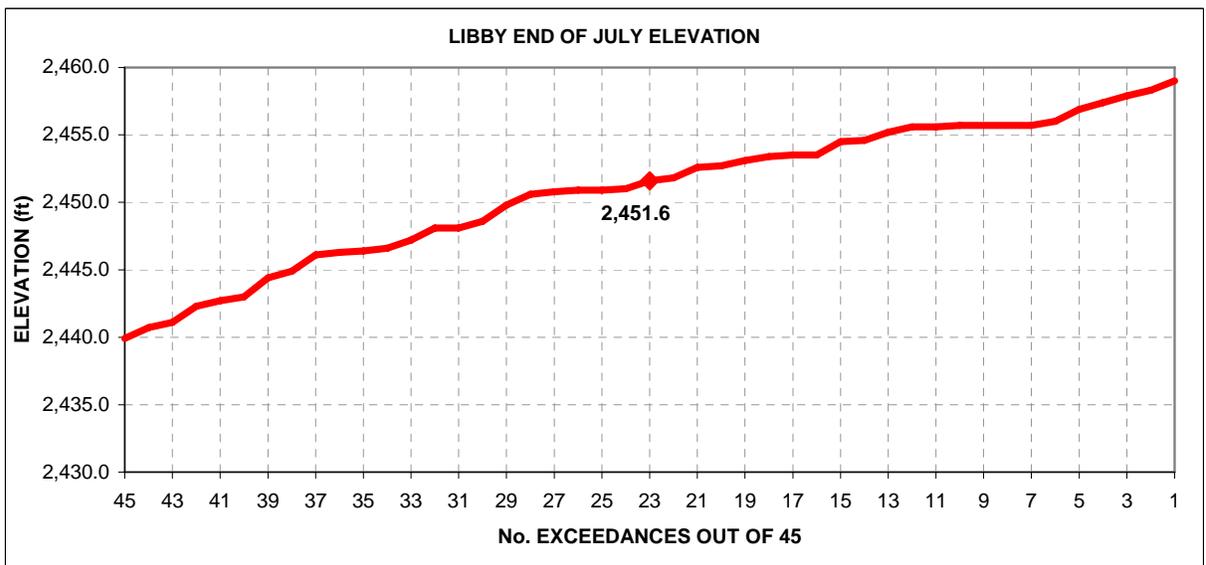
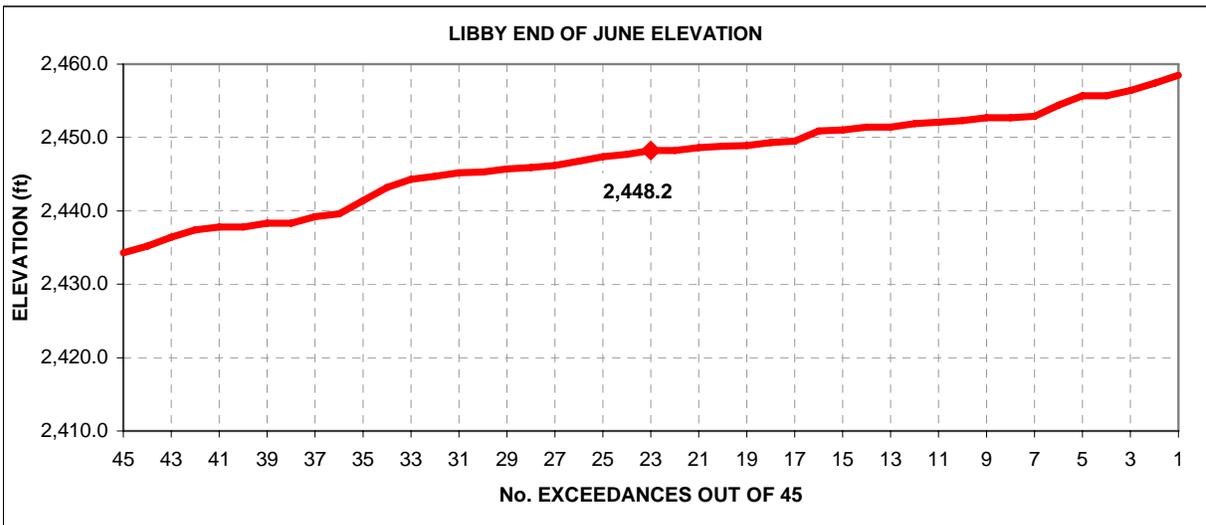
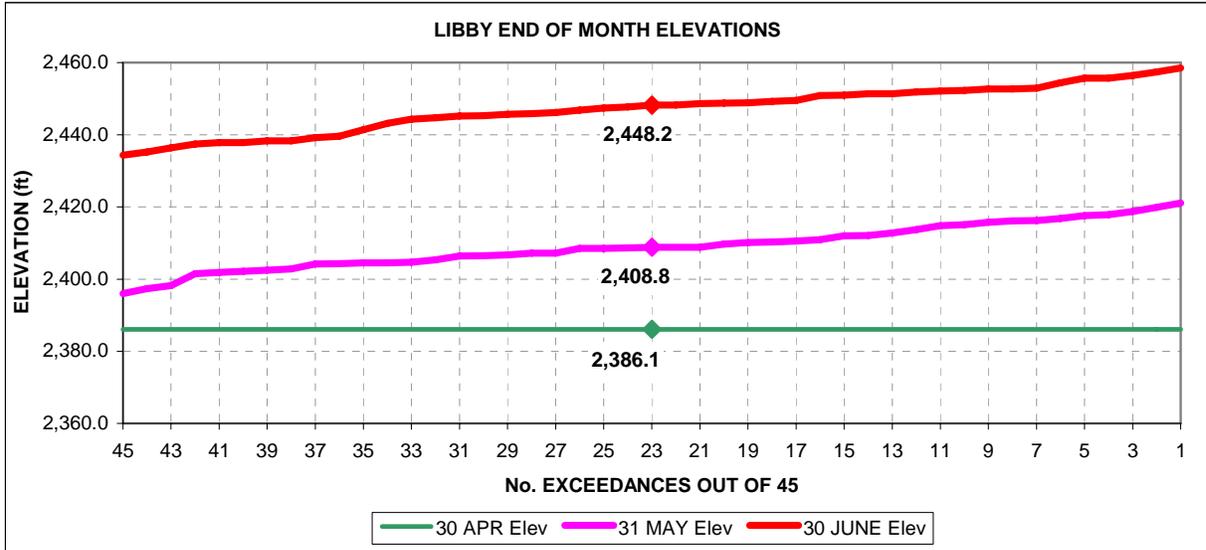
- * VARQ flows continue through the end of June as a minimum.

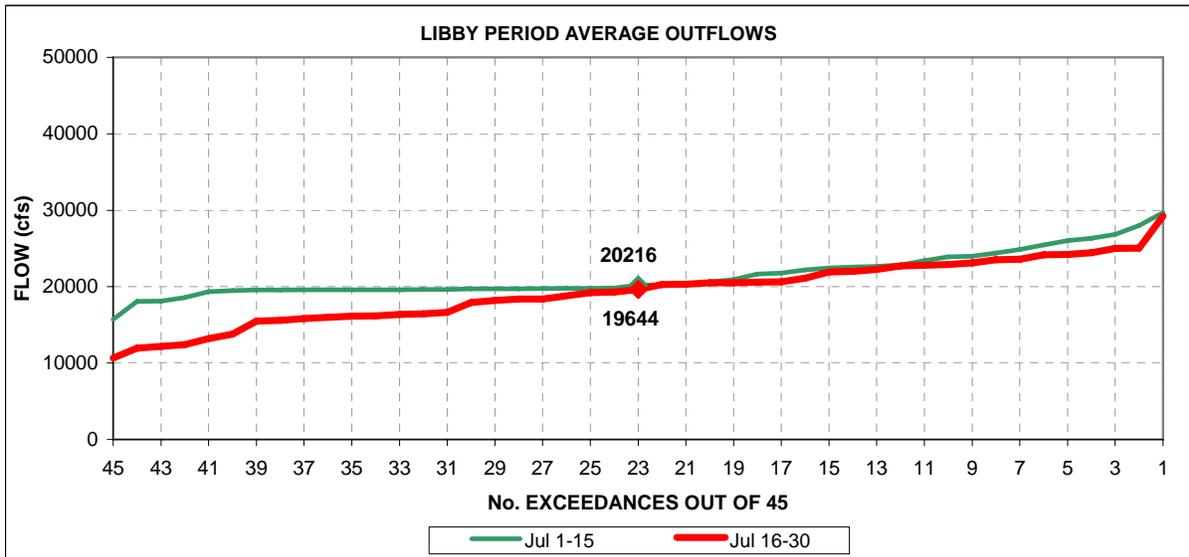
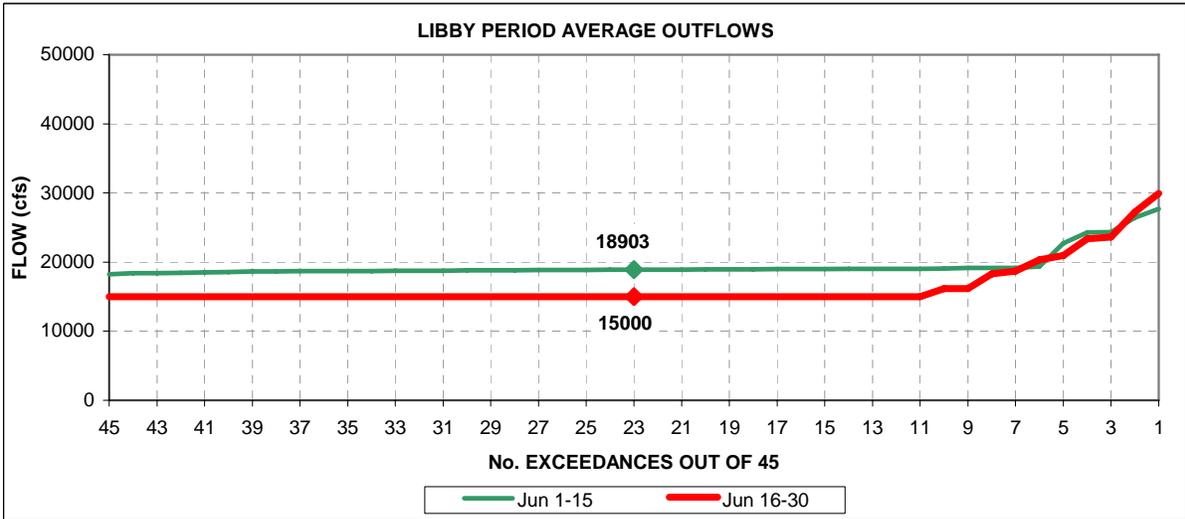
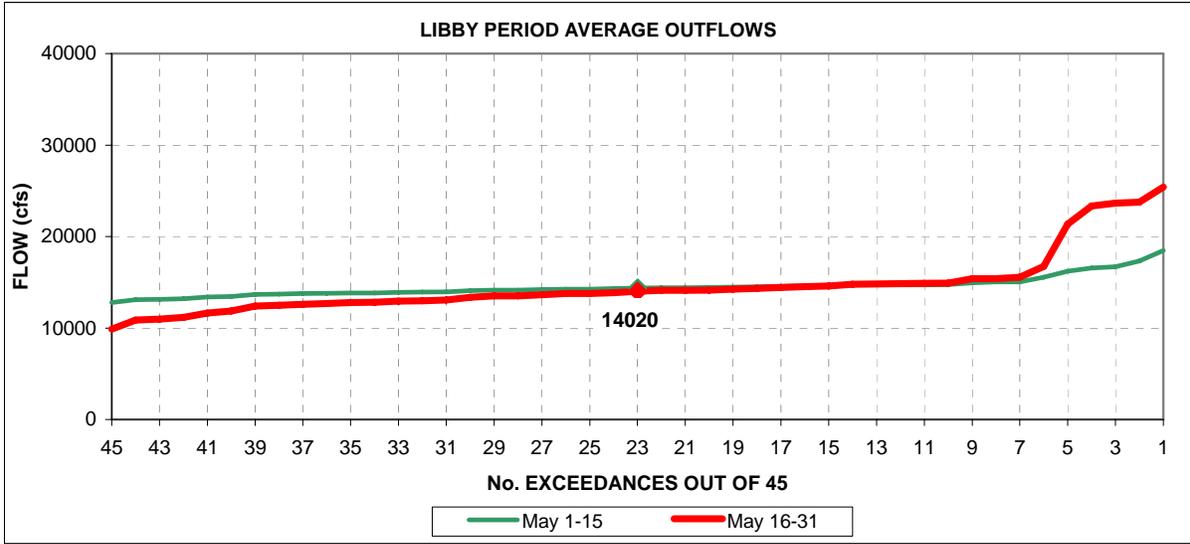
- * After sturgeon volume is exhausted in July, project operates to a flat flow to reach elevation 2439.0 feet on 31 August.

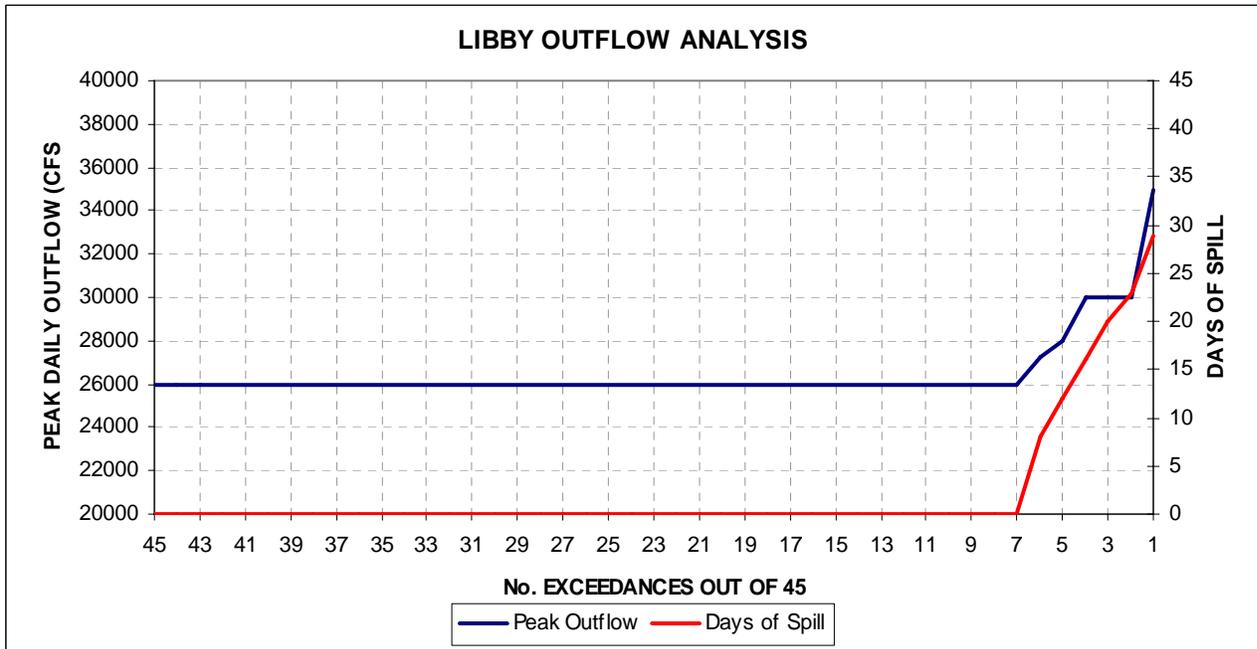
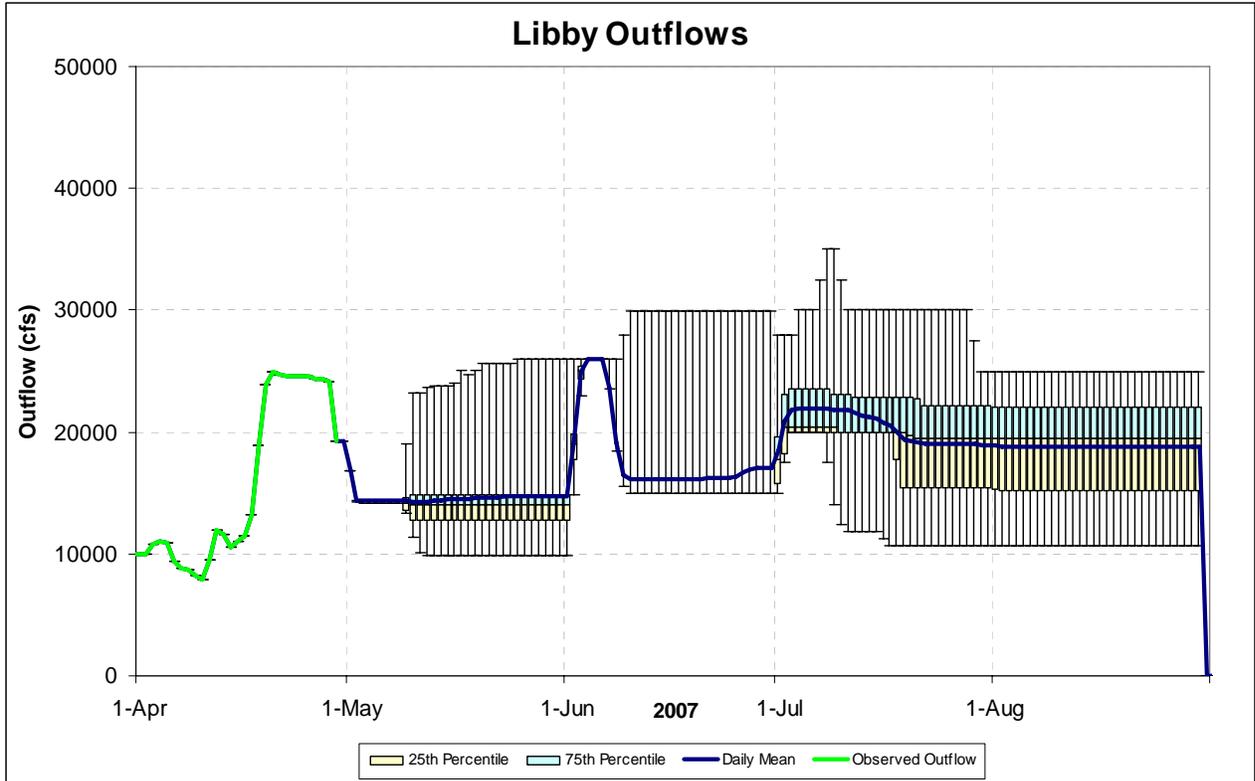
Results for all 45 Years:

	Mean Flow	Mean Elevation	Median Start VARQ	Mean Max Elevation	Mean Volume (kaf)	Median Volume (kaf)
May 1 - 15	14.5					
May 16 - 31	14.7	2409.1				
Jun 1 - 15	19.5					
Jun 16 - 30	16.4	2447.0				
Jul 1 - 15	21.4					
Jul 16 - 31	19.3	2450.8				
Aug 1 - 31	18.8	2439.8				
Sep 1 - 30	---	-----				
Entire Runoff			28-Apr	2452.9	6970	6939









BONNERS FERRY STAGES
Maximum Simulated Stage

